

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H04B1/16 H04Q7/32		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 H04Q H04B		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EP0-Internal, WPI Data		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 289 228 B1 (CORKE ROBERT J ET AL) 11 September 2001 (2001-09-11)	1, 14
Y	column 7, line 5 - line 33 figures 2, 3	1, 3-6
X	EP 1 328 066 A (FUJITSU LTD) 16 July 2003 (2003-07-16)	1, 2, 7, 8, 14-16
Y	column 2, line 23 - line 27 column 7, line 18 - line 40 figures 1, 2	10-13, 17-20
X	EP 0 361 350 A (NIPPON ELECTRIC CO) 4 April 1990 (1990-04-04)	1, 14
Y	column 1, line 25 - line 42 figure 3	2
-/-		
<div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex. </div>		
* Special categories of cited documents: <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the International filing date</p> <p>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the International filing date but later than the priority date claimed</p> </div> <div style="width: 45%;"> <p>*T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>*Z* document member of the same patent family</p> </div> </div>		
Date of the actual completion of the International search <div style="text-align: center; font-weight: bold;">11 November 2004</div>		Date of mailing of the International search report <div style="text-align: center; font-weight: bold;">26/11/2004</div>
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patenthaus 2 NL - 2280 HV Rijswijk Tel (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016		Authorized officer <div style="text-align: center; font-weight: bold;">Avilés Martínez, L</div>

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
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Y	US 6 243 399 B1 (SMITH JOSEPH MARK ET AL) 5 June 2001 (2001-06-05) column 2, line 37 - line 43 column 5, line 26 - line 37 column 6, line 33 - line 39 figure 1A	2
Y	US 6 600 907 B1 (TAGUCHI MOTOYASU) 29 July 2003 (2003-07-29) claim 5	3, 10, 17
Y	US 6 259 724 B1 (ESMAILZADEH RIAZ) 10 July 2001 (2001-07-10) column 5, line 35 - line 41 figures 4, 7	4, 11, 18
Y	EP 0 797 308 A (TSUBOCHI KAZUO) 24 September 1997 (1997-09-24) column 3, line 23 - line 27	5, 6, 12, 13, 19, 20
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